Nordson Bulk Melters
BM20 / BM200
DuraPail / DuraDrum
VersaPail / VersaDrum
Working on the Melting Plate

Supplement P/N 7146488A
– English –

Issued 08/08

NORDSON ENGINEERING GMBH • LÜNEBURG • GERMANY

Order number

P/N = Order number for Nordson products

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NOTE: Illustrations of *VersaPail* and *Versa Drum* bulk melters are used to represent all bulk melters. The design of other bulk melters may deviate from the illustrations.

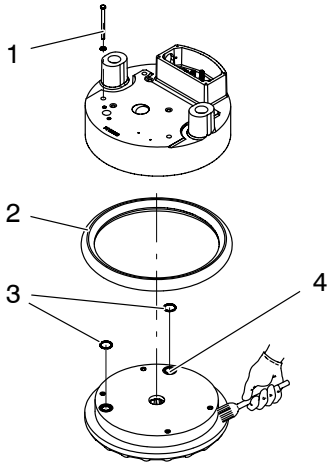
Safety Instructions

WARNING: Allow only qualified personnel to perform the following tasks. Observe and follow the safety instructions in this document and all other related documentation.

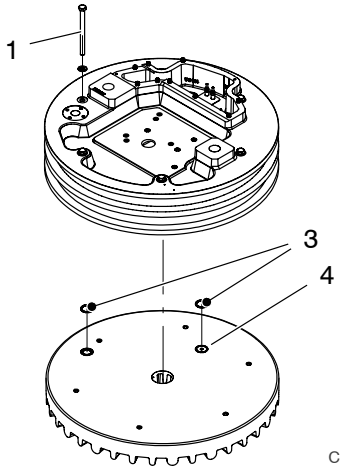
Replacing Melting Plate

WARNING: Hot! Risk of burns. Wear heat-protective gloves.

VersaPail



VersaDrum



1. Heat the platen to operating temperature.
2. Place a clean, hard, heat-resistant resting surface (e.g. metal plate) on the container and lower the platen onto the surface.
3. Release all of the fixing screws (1).
4. Raise the platen approx. 10 cm. The melting plate remains on the resting surface.
5. Carefully extract the temperature sensor from the bore (4).
6. Replace the O-rings. Clean and grease the grooves. Refer to page 4, *Processing Materials* for the type of grease to be used.
   - VersaPail, DuraPail, BM20: The sealing ring (2) can now be replaced. Refer to page 4, *Processing Materials* for the type of grease to be used.
7. Apply heat transfer compound (Refer to page 4, *Processing Materials*) to the temperature sensor and insert it into the bore (4).
8. Screw the melting plate into place:
   a. Grease the fixing screws and tighten by hand such that the platen and melting plate have thermal contact.
   b. Wait until the platen has cooled off, or at least until the platen and melting plate are at the same temperature.
   c. Tighten the fixing screws with 34 Nm.

NOTE: If the platen and melting plate had not cooled off, the fixing screws must be tightened to 34 Nm the next time the platen is *cold* (e.g. weekend, factory vacation).

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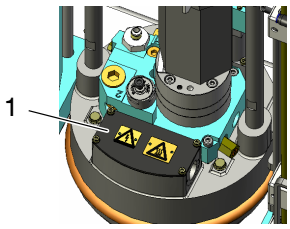
Replacing Temperature Sensor or Thermostat

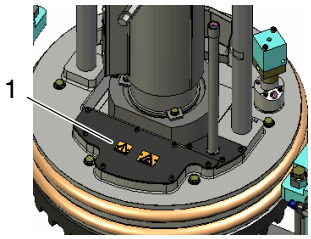
WARNING: Hot! Risk of burns. Wear heat-protective gloves.

WARNING: Risk of electrical shock. Failure to observe may result in personal injury, death, or equipment damage.

VersaPail

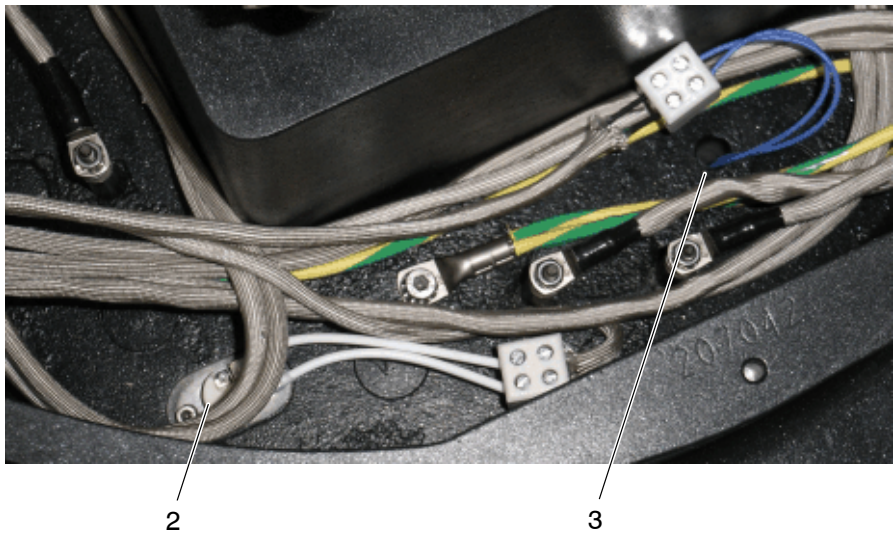


VersaDrum



B

1. Disconnect the system from the line voltage.
2. Remove the cover (1).



C

3.

Thermostat (2)

1. Apply heat transfer compound (Refer to page 4, *Processing Materials*) to the new thermostat and replace.

Temperature sensor (3)

1. Carefully pull the temperature sensor out of the melting plate by the connecting cable. If it cannot be pulled out easily, the melting plate must be removed. Refer to page 1, *Replacing Melting Plate*.
2. Apply heat transfer compound (Refer to page 4, *Processing Materials*) to the temperature sensor and insert/fasten.

4. Re-attach the cover.
5. Start up system.

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Replacing Sealing Ring

WARNING: Hot! Risk of burns. Wear heat-protective gloves.

VersaPail, DuraPail, BM 20

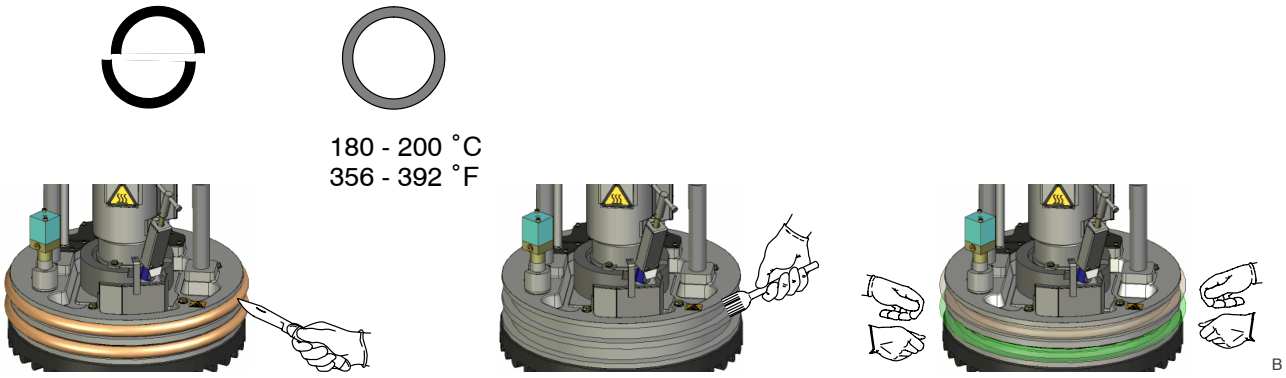
Proceed as described under *Replacing Melting Plate*. Refer to page 1.

VersaDrum, DuraDrum, BM 200

1. Heat the platen to operating temperature.
2. Place a clean, hard, heat-resistant resting surface (e.g. metal plate) on the container and lower the platen onto the surface.
3. Cut old sealing rings with a knife and dispose of properly.

CAUTION: Do not dame the nonstick coating.

4. Heat the new sealing rings in a heating furnace.
5. Clean and grease the grooves. Refer to page 4, *Processing Materials* for the type of grease to be used.
6. Put the heated sealing rings on the heated platen; this will require two persons.



Processing Materials

Before using, read the included EU safety data sheet.

Designation	Order number	Use
High temperature grease • Can 10 g • Tube 250 g • Cartridge 400 g	P/N 394769 P/N 783959 P/N 402238	To be applied to O-rings and threads **NOTE:** The grease may not be mixed with other lubricants. Oily/greasy parts must be cleaned before application.
Grease *Centoplex H0* • 1 k g	P/N 285600	Lubricating platen sealing ring
Heat transfer compound • 500 g	P/N 257326	To improve heat conducting of temperature sensors

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